

Applicant : Parent et al.
Serial No. : 10/611,439
Filed : July 1, 2003
Page : 8 of 9

Attorney's Docket No.: 00986-084001 / 5099

REMARKS

In response to the Restriction Requirement dated December 6, 2004, applicants elect claims 7-13 (Group II), directed to a conjugate.

Applicants have amended the specification to correct errors in the chemical formulae recited therein. The terminal methylene group in the formulae $\text{RO-CH}_2\text{-CH}_2\text{-SO}_2\text{-CH=CH}_2$ and $\text{RO-CH}_2\text{-CH}_2\text{-SO}_2\text{-CH}_2\text{-CH}_2\text{-O-(-CH}_2\text{-CH}_2\text{-SO}_2\text{-CH}_2\text{-CH}_2\text{-O-)}_n\text{-CH}_2\text{-CH}_2\text{-SO}_2\text{-CH=CH}_2$ was missing and has been added. One of skill in this art, would know, based on the entire disclosure of the specification, that a reaction between divinyl sulfone and carbohydrates (e.g., cellulose, D-glucose, etc.) would result in complexes having the formula $\text{RO-CH}_2\text{-CH}_2\text{-SO}_2\text{-CH}_2\text{-CH}_2\text{-O-(-CH}_2\text{-CH}_2\text{-SO}_2\text{-CH}_2\text{-CH}_2\text{-O-)}_n\text{-CH}_2\text{-CH}_2\text{-SO}_2\text{-CH=CH}_2$. If this formula terminated with a double bond (i.e. lacking the terminal methylene), the last repeating divinyl sulfone unit would lack a methylene ($\text{CH}_2\text{-CH}_2\text{-SO}_2\text{-CH=}$). One of skill in this art would know the formula of divinyl sulfone, and so would have noticed this discrepancy and recognized the typographical error in the formula of the complex. Applicants have also amended the formula of the intermediate, to $\text{P-O-(-CH}_2\text{-CH}_2\text{-SO}_2\text{-CH=CH}_2\text{)}_n$, to correct the parenthesis indicating the repeating unit of divinyl sulfone. One of skill in this art, would know, based on the specification, that the intermediate cannot have a formula, $\text{P-O-CH}_2\text{-CH}_2\text{-SO}_2\text{-(CH=CH}_2\text{)}_n$, (with a repeating ethylene unit instead of a repeating divinyl sulfone unit) and would have recognized the typographical error. Applicants have also amended the formulae to correct minor errors such as extra spaces, and the use of the numeral "0" instead of the alphabet "O" for oxygen. These minor typographical errors would also be evident to one of skill in this art.

Applicants have canceled claims 1-6, 14-19 and 28-31, without prejudice or disclaimer. Applicants reserve the right to pursue any cancelled subject matter in an application claiming the benefit of priority of the present application. Claims 7 and 22 have been amended to correct the parenthesis in the formula of the intermediate. Support for this amendment was discussed in the previous section. Claim 13 was amended to remove extra spaces in the formula of the conjugate. Finally, claims 7-13 are presented for examination.

Applicant : Parent et al.
Serial No. : 10/611,439
Filed : July 1, 2003
Page : 9 of 9

Attorney's Docket No.: 00986-084001 / 5099

Applicants note that claims 20-27 may be considered withdrawn as being directed to a non-elected group. Applicants respectfully submit that claims 7-13 are in condition for allowance and request rejoinder of claims 20-27.

Please apply any other charges or credits to deposit account 06-1050, referencing Attorney's docket No: 00986-084001.

Respectfully submitted,

Date: _____

3/7/05



Dale L. Rieger
Reg. No. 43,045

Fish & Richardson P.C.
12390 El Camino Real
San Diego, California 92130
Telephone: (858) 678-5070
Facsimile: (858) 678-5099

21040216.doc